

CLAIMS

1. A method for detecting an anomaly in the cardiac activity of a patient, characterized in that at least one sensor (12) determines at least one parameter that characterizes the cardiac activity of a patient, in that an automatic evaluation with respect to at least one parameter that characterizes the anomaly in the cardiac activity is carried out, and in that an alarm signal is generated if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded.
2. The method according to Claim 1, characterized in that the anomaly in the cardiac activity of a patient is a state of fibrillation, and in that the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.
3. The method according to Claim 1 or 2, characterized in that a metrological acquisition of an EKG signal, a pulse signal and/or a hemodynamics signal is carried out.
4. The method according to one of the preceding claims, characterized in that the acquisition of measuring values is carried out in the region of at least one adhesive pad, wristband, neckband, thoracic band, abdominal band, hip band and/or in the region of a respiratory mask.
5. The method according to one of the preceding claims, characterized in that the sensory acquisition of measuring data and the evaluation of the measuring signals are spatially separated.
6. The method according to one of Claims 1-4, characterized in that the sensory acquisition of measuring data and the evaluation of the measuring signals are carried out spatially adjacent to one another, and in that the results of the signal evaluation are transmitted to a different location.

7. The method according to one of the preceding claims, characterized in that the measuring data acquired by the sensor (12) are transmitted in a wireless fashion to a signal evaluation unit (13), or in that the results of the signal evaluation (13) are transmitted in a wireless fashion to a signal generator (14).
8. The method according to one of the preceding claims, characterized in that an acoustical and/or optical alarm signal is generated.
9. The method according to one of the preceding claims, characterized in that the alarm signal comprises a control signal that causes a direct activation of a defibrillator.
10. The method according to one of the preceding claims, characterized in that the values of the at least one parameter that characterizes the cardiac activity of a patient are stored.
11. The method according to one of the preceding claims, characterized in that a flag signal that causes the delivery of the alarm signal is generated if a limiting value is exceeded.
12. The method according to Claim 11, characterized in that the flag signal is transmitted in a wire-bound or wireless fashion.
13. The method according to Claim 12, characterized in that the flag signal is transmitted by means of short-range data transmission, in particular, Bluetooth, or by means of long-range data transmission, in particular, a telephone or mobile radiotelephone.
14. The method according to one of Claims 11-13, characterized in that the stored values of the at least one parameter that characterizes the cardiac activity of a patient or information on a storage location, from which the values can be retrieved, are transmitted together with the flag signal.
15. The method according to one of Claims 11-14, characterized in that patient data or information on a storage location, from which the patient data can be retrieved, are transmitted together with the flag signal.

16. The method according to one of the preceding claims, characterized in that it is determined if and how the patient is moving, and in that this information is used for determining if a limiting value is exceeded together with the parameters that characterize the cardiac activity of a patient.
17. A device for detecting an anomaly in the cardiac activity of a patient, comprising at least one sensor (12) for acquiring at least one signal that characterizes a cardiac activity of a patient, at least one signal evaluation unit (13) to which the sensor (12) is connected and a signal transmitter (15) to which the signal evaluation unit (13) is connected, wherein the signal evaluation unit (13) is provided with an analyzer for determining if a limiting value for at least one parameter that characterizes the anomaly in the cardiac activity is exceeded.
18. The device according to Claim 17, characterized in that the anomaly in the cardiac activity of a patient is a state of fibrillation, and in that the parameter that characterizes the anomaly in the cardiac activity is a fibrillation parameter.
19. The device according to Claim 17 or 18, characterized in that the signal transmitter (15) can be activated by a signal generator (14).
20. The device according to one of the preceding claims, characterized in that the device is realized in the form of a mobile unit and used for defibrillation purposes, and in that the device contains a voltage generator, a control unit (9) and at least two electrodes (2, 3).
21. The device according to Claim 20, characterized in that the signal evaluation unit (13) forms part of the control unit (9).
22. The device according to Claim 20 or 21, characterized in that the signal evaluation unit (13) is spatially separated from the control unit (9).

23. The device according to one of the preceding claims, characterized in that the sensor (12) is arranged adjacent to or spatially separate from the signal evaluation unit (13).
24. The device according to one of the preceding claims, characterized in that the sensor (12) and the signal evaluation unit (13) are connected via a wireless link.
25. The device according to one of the preceding claims, characterized in that a memory is provided for storing the values of the at least one parameter that characterizes the cardiac activity of a patient and/or patient data.
26. The device according to one of the preceding claims, characterized in that the signal transmitter (15) and the signal generator (14) are connected in a wire-bound or wireless fashion.
27. The device according to one of the preceding claims, characterized in that motion sensors are provided for determining if and how the patient is moving.
28. The device according to one of the preceding claims, characterized in that the sensors (12) for acquiring at least one signal that characterizes a cardiac activity of a patient consist of defibrillator electrodes.
29. The device according to one of the preceding claims, characterized in that means are provided for obtaining information on the current location of the patient.